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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/659,356

09/11/2003

Tsuyoshi Kawabe

500.43104X00

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09/19/2006

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.  
1800 DIAGONAL ROAD  
SUITE 370  
ALEXANDRIA, VA 22314

EXAMINER

CHU, DAVID H

ART UNIT

PAPER NUMBER

2628

DATE MAILED: 09/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/659,356

Applicant(s)

KAWABE ET AL.

Examiner

David H. Chu

Art Unit

2628

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 06 January 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 2/10/2005.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Claim Objections***

1. **Claim 16 is objected to because of the following informalities:**
  - In line 14 of the claim, the applicant uses "the" in front of a limitation that has never been disclosed before in the claim.
2. The examiner suggests changing "the" to an "a."
3. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
5. **Claim 11 recites the limitation "said image conversion apparatus" in line 14 of claim 11.**
6. There is insufficient antecedent basis for this limitation in the claim. The examiner understood the limitation "said image conversion apparatus" as "the outside."

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Guedalia (U.S. Patent No. 6356283), and further in view of Tran (PGPUB Document No. US 2002/0069220).**

9. Note with respect to claim 1,

10. Guedalia teaches:

An image distribution system [*client and server computer*] comprising:

a) **An image storage distribution apparatus** [*archiving the image data on a server computer*] for storing images picked up by an imaging unit (col. 16, line 61-63).

b) **An image conversion apparatus** [*server, dynamically embeds an image corresponding to the clicked coordinates of the user into the HTML page being returned to the client*] for obtaining an image specified by said mobile terminal and distributing said specified image to said mobile terminal if said specified image is required to be displayed (col. 4, line 13-18).

- c) Said mobile terminal arranged to display said image distributed from said image conversion apparatus on a **screen of a monitoring unit** [*Inherent for a client computer to have a display*], specify an **optional location** [*coordinate of user clicked area*] of said displayed image, and **transmit information on said specified location to said image conversion apparatus** [*refer to the rejection above*]  
(col. 4, line 13-18).
- d) Wherein said image conversion apparatus **enlarges the image** [*zoom-in*] of the location specified by said mobile terminal to a **display size of said monitoring unit** [*size of browser navigated on client computer*] located on said mobile terminal and then **distributes said enlarged image to said mobile terminal** [*refer to the rejection above*].
- e) Said **mobile terminal displays said enlarged image** [*the user observing the resulting image of the server carrying out the calculation on a browser*] distributed by said image conversion apparatus on the screen of said monitoring unit  
(col. 4, line 13-18).

11. Guedalia does not expressly teach:

- Specifying an optional location **and range** of said displayed image.

12. However Tran teaches:

- Specifying an optional location **and range** [*adjusting the vertical and horizontal length of a zoom box*] of said displayed image  
[Tran, 0132].

13. Therefore, at the time of the invention, it would have been obvious to one of an ordinary skill in the art to apply the zoom box teaching on a mobile computer of Tran to the clientless interactive image navigation teaching of Guedalia, because this allows the user to accurately specify desired portion of the image to be observed.

14. Note with respect to claim 2,

15. Repeating the steps carried out by the system above with respect to claim 1 on the already zoomed image is the equivalent to the limitations disclosed in claim 2. Therefore the claim rejection above with respect to claim 1 also is applicable to claim 2.

16. Note with respect to claim 3,

17. According to the interactive image navigation system of Guedalia, it is inherent that the repeatedly enlarged image [enlarged and re-enlarged image] of the same image by the user is based on the **same image** as recited by applicant.

18. Note with respect to claim 4,

19. Guedalia does not expressly teach:

An image distribution system as claimed in claim 1,

- a) Wherein said mobile terminal displays an optional location and range of said image displayed on the screen of said monitoring unit with a **frame** and **specifies the optional location and range of said image based on the handling of said frame on the screen of said monitoring unit by a user.**

20. However Tran teaches:

An image distribution system as claimed in claim 1,

- a) Wherein said mobile terminal displays an optional location and range of said image displayed on the screen of said monitoring unit with a **frame** [*zoom box*] and **specifies the optional location and range of said image based on the handling of said frame on the screen of said monitoring unit by a user** [*adjusting the vertical and horizontal length of a zoom box by the user*]

[Tran, 0132].

21. Therefore, at the time of the invention, it would have been obvious to one of an ordinary skill in the art to apply the zoom box teaching on a mobile computer of Tran to the clientless interactive image navigation teaching of Guedalia, because this allows the user to accurately specify desired portion of the image to be observed.

22. Note with respect to claim 5, claim 5 is similar in scope to the claim 1, thus the rejections to claim 1 hereinabove are also applicable to claim 5.

23. Note further, zooming and panning as taught by Tran is the equivalent to the mobile terminal [mobile computer] **changing the optional location and range of an image for the purpose of adjusting the location and range to be enlarged**, as recited by applicant.

24. Note with respect to claims 6 and 11, claims 6 and 11 are similar in scope to the claim 1, thus the rejections to claim 1 hereinabove are also applicable to claims 6 and 11.

25. Note with respect to claims 7 and 12, claims 7 and 12 are similar in scope to the claim 2, thus the rejections to claim 2 hereinabove are also applicable to claims 7 and 12.

26. Note with respect to claims 8 and 13, claims 8 and 13 are similar in scope to the claim 3, thus the rejections to claim 3 hereinabove are also applicable to claims 8 and 13.



Art Unit: 2628

27. Note with respect to claims 9 and 14, claims 9 and 14 are similar in scope to the claim 4, thus the rejections to claim 4 hereinabove are also applicable to claims 9 and 14.

28. Note with respect to claims 10 and 15, claims 10 and 15 are similar in scope to the claim 5, thus the rejections to claim 5 hereinabove are also applicable to claims 10 and 15.

29. Note with respect to claim 16, claim 16 is similar in scope to the claim 1, thus the rejections to claim 1 hereinabove are also applicable to claim 16.

30. Note further, Guedalia teaches:

- a) An **interface** [*inherent for any client server system communication data*] for receiving information distributed from the outside through a transmission path and distributing the information to the outside
- b) A **storage unit** [*inherent for the server computer to have a memory/storage medium for storing instructions*] for storing the process of carrying out the steps disclosed above with respect to claim 1.

Art Unit: 2628

31. Note with respect to claim 17, claim 17 is similar in scope to the claim 2, thus the rejections to claim 2 hereinabove are also applicable to claim 17.

32. Note with respect to claim 18, claim 18 is similar in scope to the claim 3, thus the rejections to claim 3 hereinabove are also applicable to claim 18.

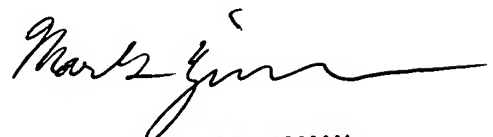
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Chu whose telephone number is (571) 272-8079. The examiner can normally be reached on M-TH 9:00am - 7:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark k. Zimmerman can be reached on (571) 272-7653. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DC



MARK ZIMMERMAN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600